

## IN THE CLAIMS

Please amend the claims as indicated below. A redlined version of the amended paragraphs is attached to this response as Appendix [A/B/C].

Please replace the claims identified below with the following amended claims:

B<sup>4</sup>

1. (Amended) A method for generating random data bits in wireless communications device, comprising the steps of:  
processing a received signal; and  
extracting data bits randomly from said processed receive signal.

B<sup>5</sup>

5. (Amended) An encryption system, comprising:  
a random number selector subsystem for generating random numbers from data bits generated from random received signal characteristics that are extracted from a received signal using existing wireless phone hardware; and  
an encryptor for encrypting a signal using said random numbers.

B<sup>6</sup>

25. (Amended) A method for generating a continuous pool of mathematically random data for wireless communications encryption, comprising:  
generating random data bits from an automatic gain controller and adding the bits to a random data pool;  
generating random data bits from a DC Offset Correction Loop and adding the bits to the random data pool; and  
generating random data bits from a Time Tracking Loop and adding the bits to the random data pool.

29. (Amended) A wireless device for generating, from a received signal, a continuous pool of mathematically random data for wireless communications encryption, comprising:

B7  
an Automatic Gain Controller for generating random data bits to be added to a random data pool;

a DC Offset Correction Loop for generating random data bits to be added to the random data pool; and

a Time Tracking Loop for generating random data bits to be added to the random data pool.